

**Element Performance Inspection (EPI) Data Collection Tool**  
**1.3.18 De-Icing Program (AW)**  
**Revision#:3 Revision Date:09/15/2009**

**ELEMENT SUMMARY INFORMATION**

**Scope of Element:**

**Purpose** (operator's responsibility): Develop and use a De-icing Program preventing the dispatch or release of an aircraft with known icing, frost, or snow condition.

**Objective** (FAA oversight responsibility): To determine:

- The effectiveness of the operator's procedures in meeting the desired output of the process,
- If the operator follows its procedures, controls, process measurements, and interfaces, and
- If there were any changes in the personnel identified by the operator as having responsibility and/or authority, for the De-icing Program.

**Specific Instructions:**

Intentionally left blank

**Related EPIs:**

Intentionally left blank

**SUPPLEMENTAL INFORMATION**

**Regulatory Requirements:**

119.43, Certificate holder's duty to maintain operations specifications.  
121.135, Manual contents  
121.373, Continuing analysis and surveillance.  
121.629, Operation in icing conditions.

**Related CFRs & FAA Policy/Guidance:**

**Related CFRs:**

Intentionally left blank

**FAA Policy/Guidance:**

FAA Order 8900.1, Volume 6, Chapter 2, Section 15  
Notice 8900.55, FAA Approved Deicing Program Updates, Winter 2008-2009  
AC 120-60B, Ground Deicing and Anti-Icing Program

<b>EPI SECTION 1 - PERFORMANCE OBSERVABLES</b>	
<b>Objective:</b> The tasks and questions in this section of the EPI are designed to assist in determining if the operator follows its written procedures and controls and meets the established performance measures of the process. The initial series of questions address the output(s) of the process and the last several questions address whether or not various aspects of the process were followed.	
<b>Tasks</b>	
	The inspector shall accomplish the following tasks:
1	Review the information listed in the Supplemental Information Section of this DCT.
2	Review policies, procedures, instructions, and information for this element.
3	Review the most recently accomplished Safety Attribute Inspection (SAI) for this element.
4	Observe the performance of this element to gain an understanding of the procedures, instructions, and information.
5	Discuss this element with the personnel who perform the duties and responsibilities required by the process.

<b>Questions</b>		
1.1	Did the operator and/or its vendors properly deice/anti-ice the aircraft prior to takeoff, preventing it from taking off with frost, ice, or snow adhering to the wings, control surfaces, propellers (if applicable), engine inlets, or other critical surfaces?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
1.2	Were personnel conducting deicing/anti-icing operations on the operators aircraft adequately trained and qualified?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
1.3	Did the operator use adequate chemical storage facilities and dispensing equipment to conduct operations in icing conditions?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
1.4	Did the operator follow policies, procedures, instructions, and information for this element?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
1.5	Did the operator follow controls for this element?  Updated: Rev # 3 on 09/15/2009	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable

	Kind Of Question: Flag, Supplemental, Domestic	
1.6	<p>Did the records for this element comply with the instructions?</p> <p>Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
1.7	<p>Were the process measurements for this element:</p> <ul style="list-style-type: none"> <li>• Effective in identifying actual or potential problems, and</li> <li>• Did the operator identify and take corrective action for identified problems?</li> </ul> <p>Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
1.8	<p>Were the observed interfaces identified and documented by the operator?</p> <p>Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
1.9	<p>Were the observed interfaces, identified and documented by the operator, adequate to ensure that the intended results were achieved?</p> <p>Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable

EPI SECTION 1 - PERFORMANCE OBSERVABLES Drop-Down Menu	
1.	Personnel.
2.	Tools and Equipment.
3.	Technical Data.
4.	Policies, procedures, instructions, or information.
5.	Materials.
6.	Facilities.
7.	Controls.
8.	Process Measures.
9.	Interfaces.
10.	Desired Outcome.
11.	Other.

## EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES

### Objective:

Answers to questions in this section address the responsibility and authority of the people who manage this process. They will help determine if there is a qualified and knowledgeable person who:

- Is responsible for the process,
- Is answerable for the quality of the process,
- Has the authority to establish and modify the process.

**Note:** The person with the authority may or may not be the person with the responsibility.

### Tasks

	The inspector shall accomplish the following tasks:
1	Identify the person who has overall responsibility for the processes associated with this element.
2	Identify the person who has overall authority for the processes associated with this element.
	Note: If there have been no major changes in key personnel or the program since the last SAI or EPI was accomplished, then only answer questions 1 and 2 below, and select "No Change" (N/C) for the remaining questions. If changes have occurred that affect the responsibility or authority attributes for this element, then accomplish all tasks and answer all questions.
3	Review the duties and responsibilities for the person(s) who manage the processes associated with this element.
4	Review the appropriate organizational chart.
5	Discuss the processes associated with this element with the management personnel identified in tasks 1 and 2.
6	Review the qualifications and work experience of the management personnel identified in tasks 1 & 2.

### Questions

2.1	Is the identified person who is responsible for the quality of the processes associated with this element actively filling that position?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.2	Is the identified person who has authority to establish and modify the operator's policies, procedures, instructions and information for the processes associated with this element actively filling that position?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.3	Does the responsible person know that he/she has responsibility for the processes associated with this element?  Updated: Rev # 3 on 09/15/2009	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable

	Kind Of Question: Flag, Supplemental, Domestic	
2.4	Does the person with authority know that he/she has authority for the processes associated with this element?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.5	Does the person with responsibility for the processes associated with this element meet the qualification and work experience standards?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.6	Does the person with authority to establish and modify the processes associated with this element meet the qualification and work experience standards?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.7	Does the person with responsibility understand the controls, process measurements, and interfaces associated with this element?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.8	Does the person with authority understand the controls, process measurements, and interfaces associated with this element?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.9	Does the person with responsibility know who has authority to establish and modify the processes associated with this element?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable
2.10	Does the person with authority know who has the responsibility for the processes associated with this element?  Updated: Rev # 3 on 09/15/2009 Kind Of Question: Flag, Supplemental, Domestic	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Observable

EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES Drop-Down Menu	
1.	Assignment of responsibility.
2.	Assignment of authority.
3.	Does not understand policies, procedures, instructions, or information.
4.	Does not understand controls.
5.	Does not understand process measurements.
6.	Does not understand interfaces.
7.	Span of control.
8.	Position vacant.
9.	Other.

